



# **BICSI**

## **Exam Questions IN101\_V7**

BICSI Installer 1 Exam

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#### NEW QUESTION 1

A category 8 cable is terminated into category 6A outlets with category 5e patch cords. What is the maximum supported performance level?

- A. Category 5e
- B. Category 6A
- C. Category 7
- D. Category 8

**Answer:** A

#### NEW QUESTION 2

How long does it take someone to form a first impression?

- A. 10 to 15 seconds
- B. 1 to 2 minutes
- C. 5 to 10 minutes
- D. 30 minutes to 1 hour

**Answer:** A

#### NEW QUESTION 3

Which of the following PPE items MUST be worn at all times when you are working with or handling OF?

- A. Fall Protection
- B. Eye Protection
- C. Hearing Protection
- D. Breathing Protection

**Answer:** B

#### NEW QUESTION 4

Which of the following steps should be performed first when terminating a coaxial cable?

- A. Verify connector type
- B. Cut the cable
- C. Strip the cable
- D. Fold back the braiding

**Answer:** A

#### NEW QUESTION 5

Electrical power (P) is measured in \_\_\_\_\_?

- A. Ohms
- B. Farads
- C. henries
- D. Watts

**Answer:** D

#### NEW QUESTION 6

Two truck drivers are communicating over a Citizens Band (CB) radio. Only one driver can send a message at a time with this system. What type of transmission method is used in this example?

- A. Simplex
- B. Half-duplex
- C. Full duplex

**Answer:** B

#### NEW QUESTION 7

Which of the following fire ratings refers to the time period that a fire-rated assembly can resist flame passage?

- A. L rating
- B. F rating
- C. W rating
- D. T rating

**Answer:** B

#### NEW QUESTION 8

Which of the Two organizations jointly oversee the worldwide standardization of telecommunications cabling?

- A. Alliance for Telecommunications Industry Solutions (ATIS) and Society for Cable Telecommunications Engineers (SCTE)
- B. National Electrical Contractors Association (NECA) and National Fire Protection Association (NFPA)
- C. Comite Europeen de Normalisation Electrotechnique (CENELEC) and Electronic Industries Association (EIA)
- D. International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC)

**Answer:** D

#### NEW QUESTION 9

The information transmitted by an ICT system can originate in two fundamental forms:

- A. Synchronous and asynchronous
- B. Light and sound
- C. Progressive and regressive
- D. Analog and digital

**Answer:** D

#### NEW QUESTION 10

Which is a keyed, contact, moderate loss connector in present use today that is pull & wiggle-proof?

- A. Opti-Jack
- B. SMA 906
- C. Subscriber Connector (SC)
- D. Straight Tip (ST)

**Answer:** D

#### NEW QUESTION 10

A radio station transmits an omnidirectional signal that is received by multiple radios. What type of transmission method is used in this example?

- A. Simplex
- B. Half-duplex
- C. Full-duplex

**Answer:** A

#### NEW QUESTION 13

What is the minimum recommended amount of vertical clearance for open-top cable supports?

- A. 75 mm (3")
- B. 100 mm (4")
- C. 125 mm (5")
- D. 150 mm (6")

**Answer:** A

#### NEW QUESTION 15

Which of the following types of cable produces very little smoke when burned?

- A. CM
- B. CMG
- C. CMUC
- D. LSZH

**Answer:** D

#### NEW QUESTION 16

Which of the following tools is a low-cost cable verifier that can be used to test for opens, shorts, crossed pairs, and miswires in 4- pair cables?

- A. Wire map tester
- B. Qualification tester
- C. Telephone test set
- D. TDR

**Answer:** A

#### NEW QUESTION 19

Which type of optical fiber cable should be color coded with an Orange outer cable sheath?

- A. MM with a 100 um core diameter
- B. Dispersion-shifted SM optical fiber
- C. Polarization maintain SM optical fiber
- D. SM optical fiber

**Answer:** A

#### NEW QUESTION 21

Which of the following interconnects the PBB to the SBB?

- A. TBB
- B. BBC
- C. RBB
- D. TEBC

**Answer:** A

#### NEW QUESTION 26

What is the minimum inside bend radius for balanced twisted pair (4 pair) cable?

- A. 25 mm (1")
- B. 50 mm (2")
- C. 4 times the outside cable diameter
- D. 15 times the outside cable diameter

**Answer:** C

#### NEW QUESTION 28

If you are working on a catwalk, you are required to wear \_\_\_\_\_?

- A. Full body harness and two lanyards
- B. Nothing, your fine on the catwalk
- C. Safety belt

**Answer:** A

#### NEW QUESTION 32

Which of the following markings indicates that the cable is designed for use in a plenum space?

- A. CMR
- B. CMUC
- C. CMP
- D. CMX

**Answer:** C

#### NEW QUESTION 35

Which of the following terms is used to describe mechanical firestop systems?

- A. Endothermic
- B. Intumescent
- C. Ablative
- D. Elastomeric

**Answer:** D

#### NEW QUESTION 38

Which of the following combinations is used to identify the tip conductors in Pair 1 of a 4- pair cable?

- A. White-Blue
- B. White-Orange
- C. Green-White
- D. Brown-White

**Answer:** A

#### NEW QUESTION 43

Which of the following is used to perform continuity and length tests for coaxial cable?

- A. TDR (Time domain reflectometer) with an adapter
- B. OLTS (optical loss test set)
- C. VFL (visual fault locator)
- D. OTDR (optical time domain reflectometer)

**Answer:** A

#### NEW QUESTION 46

Which of the following is used to connect cabinets to the nearest SBB?

- A. RBB
- B. TBB

- C. TEBC
- D. BBC

**Answer:** C

#### NEW QUESTION 50

What is the required physical topology for a SCS?

- A. Star
- B. Bus
- C. Ring
- D. Tree

**Answer:** A

#### NEW QUESTION 52

Which of the following fire ratings refers to the time period that the unexposed surface of a firestop assembly does not exceed 180 degrees C (325 degrees F) above its initial temperature?

- A. E rating
- B. FT rating
- C. FH rating
- D. S rating

**Answer:** B

#### NEW QUESTION 57

You are terminating a category 3 cable. What is the maximum permissible amount of untwisting?

- A. 25 mm (1")
- B. 38 mm (1.5")
- C. 75 mm (3")
- D. 100 mm (4")

**Answer:** C

#### NEW QUESTION 61

How far should the top of a ladder extend above the roofline?

- A. 0.3 m (1')
- B. 0.5 m (1.6')
- C. 0.6 m (2')
- D. 0.9 m (3')

**Answer:** D

#### NEW QUESTION 62

Which of the following steps should be performed first when an installer is pulling optical fiber cable?

- A. Install and secure innerduct
- B. Ensure the cable has been tested and accepted
- C. Label cables
- D. Attach pull rope

**Answer:** B

#### NEW QUESTION 65

Which of the following is a building-serving space that houses large pieces of common active equipment?

- A. TR
- B. ER
- C. TE
- D. Mechanical Room
- E. Battery room

**Answer:** B

#### NEW QUESTION 70

What is the maximum allowable horizontal cable length?

- A. 10 m (33')
- B. 30 m (100')
- C. 50 m (164')
- D. 90 m (295')

**Answer:** D

**NEW QUESTION 73**

Which of the following markings is used for non-conductive optical fiber general-purpose cables?

- A. OFNG
- B. OFCR
- C. OFCP
- D. OFNP

**Answer:** A

**NEW QUESTION 74**

What is the specified performance level for Category 8 cable?

- A. 100 MHz
- B. 250 MHz
- C. 1000 MHz
- D. 2000 MHz

**Answer:** D

**NEW QUESTION 78**

Which type of tester includes a set of modular plugs?

- A. Inductive amplifier
- B. Tone generator
- C. Multimeter
- D. Cable-end locator kit

**Answer:** D

**NEW QUESTION 80**

Which of the following is a floor serving space that serves as a point of termination for horizontal and backbone cables?

- A. EF
- B. ER
- C. TR
- D. TE

**Answer:** C

**NEW QUESTION 82**

What is the minimum inside bend radius for balanced twisted pair (multi-pair) cable?

- A. 25 mm (1")
- B. 50 mm (2")
- C. 6 times the outside cable diameter
- D. 10 times the outside cable diameter

**Answer:** D

**NEW QUESTION 83**

Which of the following is permissible if the available firestop assembly is NOT capable of properly restoring the necessary fire rating?

- A. Substitute products from another assembly
- B. Add more of the product to increase the rating
- C. Obtain written assistance from the manufacturer
- D. Move the installation to another location

**Answer:** C

**NEW QUESTION 87**

What is the primary purpose of an electrical grounding system?

- A. Ensure a minimal level of acceptable performance for a building's telecommunications infrastructure
- B. Enhance personnel safety and reduce the likelihood of a fire hazard
- C. Protect and provide organization for cables, splices and connectors
- D. Prevent unauthorized access to the buildings electrical protection system

**Answer:** B

**NEW QUESTION 90**

Which of the following terms describes the unwanted signal coupling from a disturbing pair of a 4-pair cable channel to a disturbed pair of another 4-pair channel?

- A. NEXT - Near end crosstalk
- B. ACRF - attenuation to crosstalk ratio far end
- C. AXT - alien crosstalk

**Answer:** C

#### NEW QUESTION 95

A third 90-degree bend may be permitted in a conduit run if the run does NOT exceed \_\_\_\_\_?

- A. 5 m (16.5')
- B. 10 m (33')
- C. 15 m (50')
- D. 30 m (100')

**Answer:** B

#### NEW QUESTION 96

What is the recommended minimum amount of aisle space between and around equipment?

- A. 0.6 m (2')
- B. 1 m (3.3')
- C. 1.2 m (4')
- D. 1.52 m (5')

**Answer:** B

#### NEW QUESTION 99

Which of the following types of construction protects the optical fiber by supporting each strand of glass with a buffer coating extruded over the base optical fiber's 250 um acrylate coating?

- A. Single stranded
- B. Loose tube
- C. Tight buffered
- D. Ribbon

**Answer:** C

#### NEW QUESTION 104

Which of the following is the first step of the emergency rescue process?

- A. Survey the scene
- B. Contact 911
- C. Notify someone
- D. Secure the area

**Answer:** A

#### NEW QUESTION 109

Which of the following should be used to install plywood in a telecommunications room if the edge of the board does NOT align with the wall studs?

- A. Toggle bolts
- B. Metal nails
- C. Galvanized screws

**Answer:** A

#### NEW QUESTION 112

Which of the following is used to express system gain and loss?

- A. Ohms
- B. Henries
- C. Farads
- D. Decibel (dB)

**Answer:** D

#### NEW QUESTION 115

Which of the following make the biggest impression on a customer during face-to-face conversation?

- A. Choice of words
- B. Tone of voice
- C. Body language

**Answer:** C



#### NEW QUESTION 118

Which of the following quantifies the bandwidth of a cabling system in a frequency range of interest?

- A. Megabits
- B. Volt-amperes
- C. Megahertz
- D. Kilowatt hours

**Answer:** C

#### NEW QUESTION 121

A third 90-degree bend may be permitted in a conduit run if one of the bends is located within \_\_\_\_\_ of the cable feed end?

- A. 300 mm (12")
- B. 375 mm (15")
- C. 450 mm (18")
- D. 483mm (19")

**Answer:** A

#### NEW QUESTION 124

What is the recommended thickness for plywood that will be mounted on the walls of a telecommunications room?

- A. 12.7 mm (1/2")
- B. 19 mm (3/4")
- C. 25 mm (1")
- D. 32 mm (1-1/4")

**Answer:** B

#### NEW QUESTION 127

Which of the following steps should be performed first when an installer is pulling backbone cable from the bottom up?

- A. Label cables and reels
- B. Verify the proper cable run
- C. Determine appropriate rope size
- D. Move cable reels into place

**Answer:** B

#### NEW QUESTION 128

What is the minimum recommended height that should be used when mounting a plywood back board in a telecommunication space?

- A. 100 mm (4")
- B. AFF 150 mm (6")
- C. AFF 200 mm (8")
- D. AFF 300 mm (12") AFF

**Answer:** C

#### NEW QUESTION 133

What is the specified performance level for Category 6 cable?

- A. 100 MHz
- B. 250 MHz
- C. 500 MHz
- D. 600 MHz

**Answer:** B

#### NEW QUESTION 134

Which of the following items may be used as a substitute device for a pulling eye?

- A. Wire mesh grip
- B. Fan-out kit
- C. Innerduct
- D. D rings

**Answer:** A

#### NEW QUESTION 139

What is the maximum number of work areas that a CP should serve?

- A. 2
- B. 3

- C. 6
- D. 12

**Answer:** D

**NEW QUESTION 142**

Which phase of testing includes documenting the test results?

- A. Phase 1
- B. Phase 2
- C. Phase 3

**Answer:** C

**NEW QUESTION 144**

During the troubleshooting phase, what is the first step?

- A. Verify
- B. Isolate
- C. Repair
- D. Test

**Answer:** A

**NEW QUESTION 147**

What is the minimum number of consolidation points that should serve an open office furniture cluster?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer:** A

**NEW QUESTION 150**

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